

# Morbidity and Mortality

Weekly  
Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the

COMMUNICABLE DISEASE CENTER

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Atlanta 22, Georgia

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended January 14, 1961

**Diphtheria**—A total of 27 cases was reported for the week ending January 13, 1961. Twenty-two occurred in the West South Central geographic region with Texas accounting for 19, Oklahoma 2, and Louisiana 1. Other States reporting cases were Florida 2, Virginia 2, and Minnesota 1. No localized concentrations are reported with the exception of Plainview, Texas where the outbreak now has subsided.

**Influenza**—No reports of epidemic influenza have been received during the current season from within the continental United States. In addition to the report of influenza A in the Caroline Islands (Vol. 9, No. 48, December 3, 1960), an epidemic has recently been re-

ported in the U. S. Territory of Samoa. Acting Governor Macquarrie reports 20 cases of an influenza-like disease characterized by high fever, vomiting, diarrhea, headache and muscle pain. Diagnostic specimens from cases have just arrived in Honolulu, Hawaii and laboratory confirmation of the etiologic virus has not yet been reported.

Dr. C. H. Andrewes, Director, WHO World Influenza Center, London, recently reported in a letter of January 9, 1961 to Dr. Roslyn Q. Robinson, Director, WHO International Influenza Center for the Americas, CDC, Atlanta: "There is an outbreak of influenza in the Midlands (Great Britain), at present fairly limited. An A<sub>2</sub> (Asian) virus has been isolated from 1 fatal case."

Table 1. Cases of Specified Notifiable Diseases, United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	2nd Week			Cumulative						Approximate seasonal low point
	Ended Jan. 14, 1961	Ended Jan. 16, 1960	Median 1956-60	First 2 weeks		Since seasonal low week				
				1961	1960	Median 1956-60	1960-61	1960-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic										
--- Data not available										
- Quantity zero										
Anthrax-----062	-	-	*	-	-	*	*	*	*	*
Botulism-----049.1	-	-	*	-	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	6	8	11	15	18	22	*	*	*	*
Diphtheria-----055	27	20	25	47	51	45	627	582	798	July 1
Encephalitis, infectious-----082	21	27	19	46	50	38	46	50	38	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,457	789	471	2,471	1,383	856	17,646	9,408	5,876	Sept. 1
Malaria-----110-117	-	4	*	1	5	*	*	*	*	*
Measles-----085	8,459	7,566	7,695	14,720	14,642	14,527	50,767	52,714	52,714	Sept. 1
Meningitis, aseptic-----340 pt.	15	44	---	40	74	---	40	74	---	Jan. 1
Meningococcal infections-----057	61	60	70	98	96	124	752	751	918	Sept. 1
Polio myelitis-----080	17	28	28	31	45	53	3,095	8,319	8,319	Apr. 1
Paralytic-----080.0,080.1	10	23	23	18	35	29	2,127	5,536	5,536	Apr. 1
Nonparalytic-----080.2	-	2	2	3	3	18	624	2,120	2,120	Apr. 1
Unspecified-----080.3	7	3	3	10	7	6	344	663	663	Apr. 1
Psittacosis-----096.2	1	1	*	2	2	*	*	*	*	*
Rabies in man-----094	1	-	*	1	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	8,457	7,928	---	16,053	14,905	---	113,705	---	---	Aug. 1
Typhoid fever-----040	2	8	15	8	14	26	694	742	1,038	Apr. 1
Typhus fever, endemic-----101	-	1	*	1	1	*	*	*	*	*
Rabies in animals-----	42	78	81	84	145	167	654	1,127	1,116	Oct. 1

Rabies in man - Kentucky

**Hepatitis** — Reported cases rose this week to 1,457. The cumulative total for the 4-week period ending January 13 is 89 percent above a comparable period one year ago and 189 percent above 1959. In the United States the peak incidence of hepatitis has occurred in late winter or early spring and, therefore, increases in reported weekly cases can be expected during the next 2 or 3 months. The current upward trend is reflected in all States and regions, less so, however, in the Mountain States which have maintained high rates out of proportion to the rest of the country for the past 3 years. The table below gives 1960 preliminary case totals, and comparable preliminary rates per 100,000 population by division for the past 4 years since the last national hepatitis low, 1957.

Division	1960 Cases	Rate per 100,000 Population (Preliminary — cumulated through 52 weeks)			
		1960	1959	1958	1957
N. E.	1,182	11.3	7.8	6.2	7.8
M. H.	5,096	15.0	10.1	6.7	7.5
E. N. C.	7,520	20.9	9.8	7.4	7.4
W. N. C.	2,862	18.7	12.0	8.3	5.3
S. A.	4,673	18.2	8.0	4.7	4.6
E. S. C.	5,957	49.8	20.3	10.8	15.7
W. S. C.	3,058	18.2	10.9	6.8	7.2
M.	3,205	47.1	45.7	33.4	26.9
P.	7,467	35.7	21.3	15.8	15.7
United States	41,020	23.1	13.1	9.0	9.1

These figures emphasize the high current rates in the Mountain and East South Central divisions and the comparatively lower rates in New England which, although presently showing an increase, has remained relatively stable in the past.

## EPIDEMIOLOGICAL REPORTS

### Human Rabies — Kentucky

A 53-year-old woman died of rabies January 6, 1961, 59 days after being bitten on the leg by a gray fox which she kicked to scare away from her puppy. The fox was killed by the woman's husband. The next day she saw a physician and as a precaution, was given a series of 14 doses of duck embryo rabies vaccine. Her illness began 52 days after the bite and she died 4 days later. Direct microscopic study of the brain at autopsy demonstrated typical and abundant Negri bodies and the diagnosis of rabies was confirmed by mouse inoculation and fluorescent antibody tests.

(Submitted by the Kentucky State Department of Health)

### Poliomyelitis — Maryland

The following preliminary summary of poliomyelitis in Maryland 1960, has been furnished by Dr. Charlotte Silverman, Chief, Office of Planning and Research, Maryland State Department of Health.

The 1960 polio outbreaks appear to have stopped with only one new case reported since the end of November. Using preliminary data, the overall picture is as follows for paralytic cases only:

	Involvement			Percent with Bulbar Inv.
	Spinal Only	Bulbar	Total	
Baltimore City	60	36	96	37.5
Western Maryland	7	9	16	56
Baltimore County	11	6	17	35
Other Counties	10	5	15	33.3
State of Maryland	88	56	144	39%

Ten deaths have been recorded thus far. Type III continues to be the overwhelmingly predominant polio virus isolated (67 of 70 isolations, type III; 3 type I). In addition to the consistently high percentage of bulbar cases, other salient characteristics have been: geographical concentration in lower socioeconomic areas in Baltimore City; predominance in unvaccinated preschool children in the city and in unvaccinated persons of all ages in rural areas.

### Trichinosis — Fulton County, Georgia

A small outbreak of human trichinosis was reported by the Fulton County Health Department through Dr. W. J. Murphy, Director, Division of Epidemiology of the Georgia Department of Public Health. This occurred during the week of November 20 in a small rural town. It involved 5 persons and resulted in the hospitalization of two. The clinical features consisted of gastroenteritis, fever, myalgia, periorbital edema, and eosinophilia. Two cases were confirmed by muscle biopsy and the remaining three by serology. History of ingestion of raw or partially cooked pork sausage originating from a local producer was elicited in all cases. One sausage sample obtained from the packing house at the time of the investigation was found to contain larvae of *Trichinella spiralis*. Investigation to determine the source of infected hogs is in progress at present.

### Diphtheria — Scott County, Kentucky

Fifty-three cases of diphtheria occurred in Scott County, Kentucky during the period September 9 to December 17. In addition, about 80 nasopharyngeal carriers of *Corynebacterium diphtheriae* have been found through

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 16, 1960 AND JANUARY 14, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Menin- gitis, aseptic	Brucel- losis (undul- lant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	2nd Week		Cumulative, first 2 weeks		2nd Week		Cumulative, first 2 weeks					
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	340 pt.	044
UNITED STATES-----	17	28	31	45	10	23	18	35	-	2	15	6
NEW ENGLAND-----	-	3	-	3	-	3	-	3	-	-	1	-
Maine-----	-	-	-	-	-	-	-	-	-	-	1	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	3	-	3	-	3	-	3	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	-	4	4	7	-	1	4	3	-	1	3	-
New York-----	-	4	-	7	-	1	-	3	-	1	3	-
New Jersey-----	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania-----	-	-	4	-	-	-	4	-	-	-	-	-
EAST NORTH CENTRAL-----	3	2	4	4	2	1	3	1	-	-	1	-
Ohio-----	1	2	2	4	-	1	1	1	-	-	-	-
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-
Illinois-----	2	-	2	-	2	-	2	-	-	-	1	-
Michigan-----	-	-	-	-	-	-	-	-	-	-	-	-
Wisconsin-----	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL-----	-	-	1	1	-	-	-	1	-	-	-	4
Minnesota-----	-	-	1	-	-	-	-	1	-	-	-	-
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	4
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	1	-	-	-	-	-	-	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	-
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	2	6	4	9	1	6	3	9	-	-	4	-
Delaware-----	1	-	1	-	1	-	1	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	1	-	-	-	1	-	-	-	-	-
West Virginia-----	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina-----	-	5	1	8	-	5	1	8	-	-	-	-
South Carolina-----	-	1	-	1	-	1	-	1	-	-	-	-
Georgia-----	-	-	-	-	-	-	-	-	-	-	-	-
Florida-----	1	-	1	-	-	-	-	-	-	-	4	-
EAST SOUTH CENTRAL-----	3	-	5	-	-	-	-	-	-	-	1	-
Kentucky-----	3	-	5	-	-	-	-	-	-	-	-	-
Tennessee-----	-	-	-	-	-	-	-	-	-	-	-	-
Alabama-----	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi-----	-	-	-	-	-	-	-	-	-	-	1	-
WEST SOUTH CENTRAL-----	1	1	3	1	1	1	2	1	-	-	1	1
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	1
Louisiana-----	1	1	3	1	1	1	2	1	-	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	1	-
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-
MOUNTAIN-----	5	2	7	2	3	2	3	2	-	-	1	-
Montana-----	1	2	1	2	1	2	1	2	-	-	-	-
Idaho-----	1	-	1	-	-	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	-	-	-	-	-	-	1	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	1	-	-	-	-	-	-	-	-	-
Utah-----	3	-	4	-	2	-	2	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	3	10	3	18	3	9	3	15	-	1	3	1
Washington-----	-	1	-	1	-	1	-	1	-	-	-	-
Oregon-----	-	2	-	5	-	2	-	3	-	-	-	-
California-----	3	6	3	11	3	5	3	10	-	1	3	1
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	1	-	1	-	1	-	1	-	-	-	-
Puerto Rico-----	-	2	-	2	-	2	-	2	-	-	-	-



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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 16, 1960 AND JANUARY 14, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	2nd Week		Cumulative, first 2 weeks		082		2nd Week		Cumulative, first 2 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	27	20	47	51	21	27	1,457	789	2,471	1,383	8,459	7,566
NEW ENGLAND-----	-	1	-	1	-	2	67	29	96	47	582	637
Maine-----	-	-	-	-	-	1	-	3	4	3	8	117
New Hampshire-----	-	-	-	-	-	-	-	-	2	-	15	2
Vermont-----	-	-	-	-	-	-	29	1	32	1	21	24
Massachusetts-----	-	-	-	-	-	-	14	10	23	23	416	394
Rhode Island-----	-	1	-	1	-	1	7	9	10	12	84	8
Connecticut-----	-	-	-	-	-	-	17	6	25	8	38	92
MIDDLE ATLANTIC-----	-	1	-	1	4	2	173	63	258	106	1,824	662
New York-----	-	-	-	-	3	-	74	30	122	49	1,099	527
New Jersey-----	-	-	-	-	1	-	23	6	27	8	261	65
Pennsylvania-----	-	1	-	1	-	2	76	27	109	49	464	70
EAST NORTH CENTRAL-----	-	2	-	3	2	4	267	140	496	231	2,287	2,124
Ohio-----	-	1	-	2	-	2	98	33	229	47	531	206
Indiana-----	-	1	-	1	-	1	32	32	43	33	138	79
Illinois-----	-	-	-	-	-	-	40	29	65	54	287	479
Michigan-----	-	-	-	-	2	1	93	43	149	82	444	697
Wisconsin-----	-	-	-	-	-	-	4	3	10	15	887	663
WEST NORTH CENTRAL-----	1	1	2	5	2	3	130	57	213	115	282	168
Minnesota-----	1	-	2	2	-	-	23	7	42	13	6	125
Iowa-----	-	1	-	1	-	1	24	15	34	23	85	7
Missouri-----	-	-	-	-	1	-	46	16	61	37	112	2
North Dakota-----	-	-	-	1	-	-	3	2	5	7	77	30
South Dakota-----	-	-	-	-	-	2	-	10	4	16	-	3
Nebraska-----	-	-	-	-	-	-	9	3	30	8	2	1
Kansas-----	-	-	-	1	1	-	25	4	37	11	NN	NN
SOUTH ATLANTIC-----	4	7	7	15	3	3	156	87	278	149	1,291	280
Delaware-----	-	-	-	-	-	-	5	4	15	9	47	6
Maryland-----	-	-	-	-	1	-	17	8	31	18	42	60
District of Columbia-----	-	-	-	-	-	1	3	-	3	-	1	40
Virginia-----	2	-	2	4	-	-	17	6	34	24	560	63
West Virginia-----	-	-	1	-	-	-	35	19	69	37	110	43
North Carolina-----	-	1	-	1	-	-	41	5	51	7	133	4
South Carolina-----	-	6	-	9	1	-	17	3	38	3	231	-
Georgia-----	-	-	1	1	-	-	11	9	13	10	8	-
Florida-----	2	-	3	-	1	2	10	33	24	41	159	64
EAST SOUTH CENTRAL-----	-	4	2	7	-	-	263	152	465	253	785	563
Kentucky-----	-	-	1	-	-	-	74	92	157	141	529	336
Tennessee-----	-	-	1	1	-	-	124	37	197	74	197	169
Alabama-----	-	3	-	5	-	-	51	13	88	25	54	15
Mississippi-----	-	1	-	1	-	-	14	10	23	13	5	43
WEST SOUTH CENTRAL-----	22	4	36	9	2	2	83	50	135	105	271	1,497
Arkansas-----	-	-	-	-	1	-	17	2	20	7	81	100
Louisiana-----	1	1	1	1	-	-	6	6	7	6	-	-
Oklahoma-----	2	-	2	-	-	1	12	5	12	11	2	40
Texas-----	19	3	33	8	1	1	48	37	96	81	188	1,357
MOUNTAIN-----	-	-	-	10	-	1	120	120	183	190	492	674
Montana-----	-	-	-	-	-	-	30	3	39	7	79	80
Idaho-----	-	-	-	9	-	-	9	15	15	21	61	163
Wyoming-----	-	-	-	-	-	-	2	-	3	-	5	127
Colorado-----	-	-	-	-	-	-	42	42	69	56	38	74
New Mexico-----	-	-	-	-	-	1	6	19	8	45	-	-
Arizona-----	-	-	-	-	-	-	13	24	17	39	245	55
Utah-----	-	-	-	1	-	-	12	12	24	17	43	102
Nevada-----	-	-	-	-	-	-	6	5	8	5	21	73
PACIFIC-----	-	-	-	-	8	10	198	91	347	187	645	961
Washington-----	-	-	-	-	1	1	19	7	22	10	200	194
Oregon-----	-	-	-	-	1	1	43	20	72	40	95	133
California-----	-	-	-	-	5	8	121	53	238	122	340	271
Alaska-----	-	-	-	-	1	-	8	10	8	12	10	32
Hawaii-----	-	-	-	-	-	-	7	1	7	3	-	331
Puerto Rico-----	-	2	-	2	-	-	-	1	-	19	19	40

NN-Not Notifiable

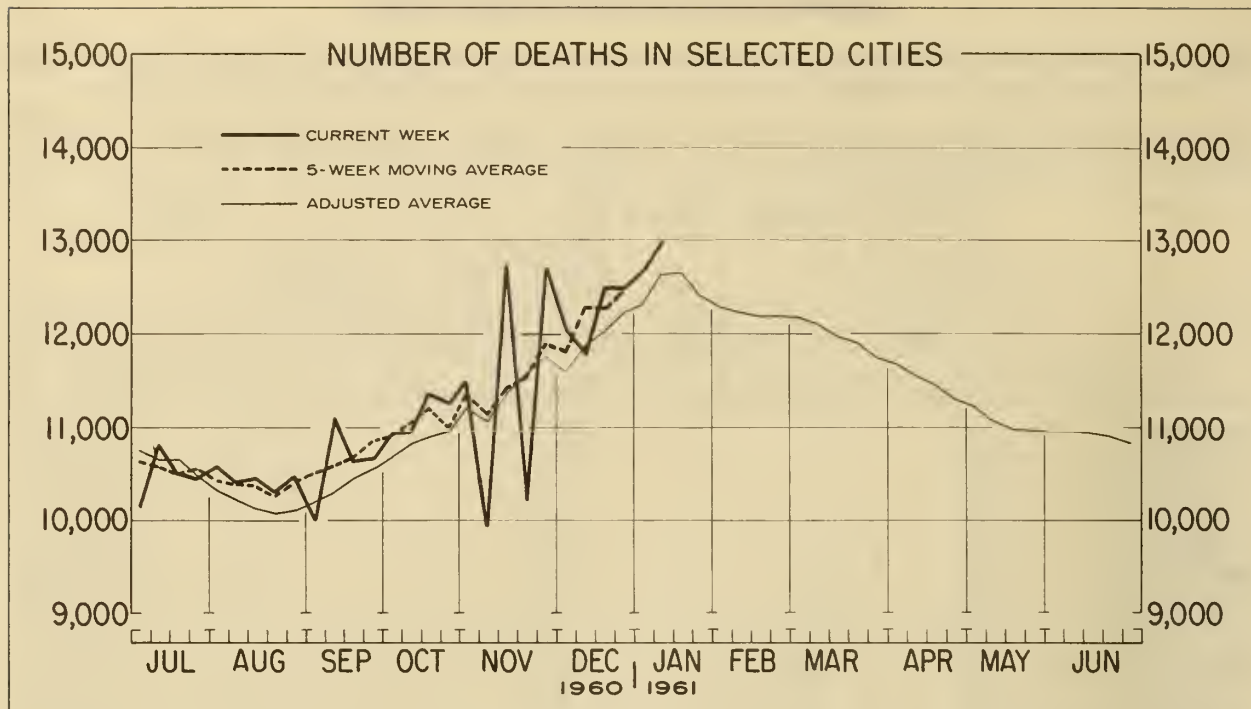
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(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	2nd Week		Cumulative, first 2 weeks		101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	-	61	60	1	8,457	2	8	8	14	-	42	78
NEW ENGLAND-----	-	4	5	-	389	-	-	-	-	-	-	-
Maine-----	-	-	-	-	15	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	10	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	9	-	-	-	-	-	-	-
Massachusetts-----	-	3	4	-	99	-	-	-	-	-	-	-
Rhode Island-----	-	-	-	-	27	-	-	-	-	-	-	-
Connecticut-----	-	1	1	-	229	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	-	6	7	-	394	1	1	2	1	-	2	5
New York-----	-	1	3	-	228	-	-	1	-	-	2	4
New Jersey-----	-	1	1	-	102	-	-	-	-	-	-	-
Pennsylvania-----	-	4	3	-	64	1	1	1	1	-	-	1
EAST NORTH CENTRAL-----	-	11	16	1	645	-	-	2	-	-	2	5
Ohio-----	-	1	3	-	171	-	-	1	-	-	2	2
Indiana-----	-	-	1	-	125	-	-	-	-	-	-	-
Illinois-----	-	5	5	-	102	-	-	-	-	-	-	1
Michigan-----	-	5	4	-	152	-	-	-	-	-	-	-
Wisconsin-----	-	-	3	1	95	-	-	1	-	-	-	2
WEST NORTH CENTRAL-----	-	2	3	-	285	-	1	-	1	-	11	14
Minnesota-----	-	-	-	-	24	-	-	-	-	-	3	2
Iowa-----	-	-	-	-	74	-	-	-	-	-	2	6
Missouri-----	-	-	1	-	9	-	1	-	1	-	3	4
North Dakota-----	-	2	-	-	71	-	-	-	-	-	-	-
South Dakota-----	-	-	2	-	6	-	-	-	-	-	3	-
Nebraska-----	-	-	-	-	3	-	-	-	-	-	-	2
Kansas-----	-	-	-	-	98	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	-	20	7	-	610	1	-	1	2	-	10	15
Delaware-----	-	-	-	-	4	-	-	-	-	-	-	-
Maryland-----	-	-	2	-	18	-	-	-	-	-	-	-
District of Columbia-----	-	-	2	-	3	-	-	-	-	-	-	-
Virginia-----	-	5	-	-	187	-	-	-	-	-	8	8
West Virginia-----	-	3	-	-	239	-	-	-	-	-	1	3
North Carolina-----	-	-	2	-	19	-	-	-	2	-	1	-
South Carolina-----	-	1	-	-	26	-	-	-	-	-	-	2
Georgia-----	-	2	-	-	-	-	-	-	-	-	-	2
Florida-----	-	9	1	-	114	1	-	1	-	-	-	-
EAST SOUTH CENTRAL-----	-	4	4	-	1,813	-	2	-	4	-	4	7
Kentucky-----	-	-	1	-	501	-	-	-	-	-	1	2
Tennessee-----	-	1	2	-	1,274	-	1	-	3	-	3	3
Alabama-----	-	2	-	-	14	-	1	-	1	-	-	2
Mississippi-----	-	1	1	-	24	-	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	-	5	8	-	1,279	-	-	1	2	-	10	30
Arkansas-----	-	-	-	-	4	-	-	-	-	-	2	9
Louisiana-----	-	3	5	-	3	-	-	-	-	-	1	3
Oklahoma-----	-	-	3	-	11	-	-	-	-	-	-	-
Texas-----	-	2	-	-	1,261	-	-	1	2	-	7	18
MOUNTAIN-----	-	3	-	-	2,138	-	2	1	2	-	1	2
Montana-----	-	-	-	-	139	-	2	1	2	-	-	-
Idaho-----	-	-	-	-	183	-	-	-	-	-	-	-
Wyoming-----	-	1	-	-	34	-	-	-	-	-	-	-
Colorado-----	-	1	-	-	779	-	-	-	-	-	-	-
New Mexico-----	-	-	-	-	505	-	-	-	-	-	-	2
Arizona-----	-	1	-	-	218	-	-	-	-	-	1	-
Utah-----	-	-	-	-	273	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	7	-	-	-	-	-	-	-
PACIFIC-----	-	6	10	-	904	-	2	1	2	-	2	-
Washington-----	-	1	2	-	409	-	-	-	-	-	-	-
Oregon-----	-	-	2	-	40	-	-	-	-	-	-	-
California-----	-	5	6	-	362	-	2	1	2	-	2	-
Alaska-----	-	-	-	-	84	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	9	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	-	-	1	-	-	-



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

**Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS**

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	2nd week ended Jan. 14, 1961	1st week ended Jan. 7, 1961	Adjusted average, 2nd week 1956-60	Percent change, adjusted average to current week	Cumulative, first 2 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	12,995	12,650	12,636	+2.8	25,645	26,578	-3.5
New England----- (14 cities)	782	778	765	+2.2	1,560	1,677	-7.0
Middle Atlantic----- (20 cities)	3,551	3,671	3,451	+2.9	7,222	7,082	+2.0
East North Central----- (21 cities)	2,710*	2,714	2,707	+0.1	5,424	5,913	-8.3
West North Central----- (9 cities)	886	842	889	-0.3	1,728	1,784	-3.1
South Atlantic----- (11 cities)	1,173	1,186	1,095	+7.1	2,359	2,231	+5.7
East South Central----- (8 cities)	700	559	576	+21.5	1,259	1,260	-0.1
West South Central----- (13 cities)	1,123	1,051	1,167	-3.8	2,174	2,368	-8.2
Mountain----- (8 cities)	364	355	387	-5.9	719	837	-14.1
Pacific----- (13 cities)	1,706	1,494	1,599	+6.7	3,200	3,426	-6.6

\*Includes estimate for missing reports.



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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	2nd week ended Jan. 14, 1961	1st week ended Jan. 7, 1961	Cumulative, first 2 weeks		Area	2nd week ended Jan. 14, 1961	1st week ended Jan. 7, 1961	Cumulative, first 2 weeks	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL--Con.:				
Boston, Mass.-----	267	270	537	529	St. Louis, Mo.-----	250	263	513	591
Bridgeport, Conn.-----	38	51	89	102	St. Paul, Minn.-----	78	77	155	169
Cambridge, Mass.-----	36	32	68	75	Wichita, Kans.-----	80	40	120	99
Fall River, Mass.-----	25	28	53	62					
Hartford, Conn.-----	46	41	87	89	SOUTH ATLANTIC:				
Lowell, Mass.-----	17	34	51	47	Atlanta, Ga.-----	137	122	259	264
Lynn, Mass.-----	22	35	57	62	Baltimore, Md.-----	263	295	558	511
New Bedford, Mass.-----	39	30	69	71	Charlotte, N.C.-----	44	40	84	89
New Haven, Conn.-----	53	39	92	109	Jacksonville, Fla.-----	68	112	180	135
Providence, R.I.-----	71	72	143	153	Miami, Fla.-----	98	64	162	149
Somerville, Mass.-----	14	13	27	39	Norfolk, Va.-----	38	58	96	127
Springfield, Mass.-----	64	42	106	130	Richmond, Va.-----	122	92	214	192
Waterbury, Conn.-----	30	28	58	68	Savannah, Ga.-----	46	49	95	93
Worcester, Mass.-----	60	63	123	141	St. Petersburg, Fla.-----	(82)	(104)	(186)	(180)
					Tampa, Fla.-----	80	94	174	139
MIDDLE ATLANTIC:					Washington, D.C.-----	242	208	450	423
Albany, N.Y.-----	72	62	134	88	Wilmington, Del.-----	35	52	87	109
Allentown, Pa.-----	44	34	78	82					
Buffalo, N.Y.-----	154	166	320	359	EAST SOUTH CENTRAL:				
Camden, N.J.-----	38	45	83	106	Birmingham, Ala.-----	138	100	238	237
Elizabeth, N.J.-----	24	31	55	53	Chattanooga, Tenn.-----	59	68	127	120
Erie, Pa.-----	44	50	94	93	Knoxville, Tenn.-----	35	38	73	61
Jersey City, N.J.-----	64	112	176	164	Louisville, Ky.-----	131	88	219	277
Newark, N.J.-----	87	148	235	258	Memphis, Tenn.-----	165	122	287	240
New York City, N.Y.-----	1,822	1,790	3,612	3,439	Mobile, Ala.-----	54	47	101	99
Paterson, N.J.-----	35	52	87	105	Montgomery, Ala.-----	56	27	83	79
Philadelphia, Pa.-----	548	515	1,063	1,039	Nashville, Tenn.-----	62	69	131	147
Pittsburgh, Pa.-----	239	232	471	477					
Reading, Pa.-----	23	19	42	56	WEST SOUTH CENTRAL:				
Rochester, N.Y.-----	111	126	237	262	Austin, Tex.-----	35	33	68	73
Schenectady, N.Y.-----	27	29	56	59	Baton Rouge, La.-----	49	36	85	73
Scranton, Pa.-----	36	40	76	90	Corpus Christi, Tex.-----	39	23	62	55
Syracuse, N.Y.-----	59	79	138	147	Dallas, Tex.-----	137	127	264	242
Trenton, N.J.-----	65	52	117	72	El Paso, Tex.-----	38	45	83	105
Utica, N.Y.-----	31	48	79	65	Fort Worth, Tex.-----	62	52	114	112
Yonkers, N.Y.-----	28	41	69	68	Houston, Tex.-----	206	188	394	413
					Little Rock, Ark.-----	60	55	115	155
EAST NORTH CENTRAL:					New Orleans, La.-----	183	178	361	379
Akron, Ohio-----	67	54	121	114	Oklahoma City, Okla.-----	74	87	161	176
Canton, Ohio-----	27	30	57	94	San Antonio, Tex.-----	93	114	207	317
Chicago, Ill.-----	838*	785	1,623	1,894	Shreveport, La.-----	85	34	119	109
Cincinnati, Ohio-----	202	181	383	373	Tulsa, Okla.-----	62	79	141	159
Cleveland, Ohio-----	230*	260	490	476					
Columbus, Ohio-----	131	134	265	324	MOUNTAIN:				
Dayton, Ohio-----	97	101	198	169	Albuquerque, N. Mex.-----	29	34	63	74
Detroit, Mich.-----	370	366	736	787	Colorado Springs, Colo.--	27	18	45	35
Evansville, Ind.-----	34	26	60	71	Denver, Colo.-----	114	101	215	287
Flint, Mich.-----	48	49	97	84	Ogden, Utah-----	12	14	26	36
Fort Wayne, Ind.-----	41	49	90	106	Phoenix, Ariz.-----	84	98	182	185
Gary, Ind.-----	22	35	57	63	Pueblo, Colo.-----	16	12	28	27
Grand Rapids, Mich.-----	44	45	89	86	Salt Lake City, Utah-----	48	38	86	141
Indianapolis, Ind.-----	170	159	329	302	Tucson, Ariz.-----	34	40	74	52
Madison, Wis.-----	21	39	60	67					
Milwaukee, Wis.-----	145	149	294	308	PACIFIC:				
Peoria, Ill.-----	33	37	70	69	Berkeley, Calif.-----	18	16	34	48
Rockford, Ill.-----	22	23	45	74	Fresno, Calif.-----	(60)	(25)	(85)	(105)
South Bend, Ind.-----	19	37	56	73	Glendale, Calif.-----	(46)	(30)	(76)	(109)
Toledo, Ohio-----	93	102	195	257	Honolulu, Hawaii-----	32	60	92	85
Youngstown, Ohio-----	56	53	109	122	Long Beach, Calif.-----	70	52	122	111
					Los Angeles, Calif.-----	620	536	1,156	1,239
WEST NORTH CENTRAL:					Oakland, Calif.-----	127	107	234	213
Des Moines, Iowa-----	54	35	89	109	Pasadena, Calif.-----	30	32	62	103
Duluth, Minn.-----	27	35	62	40	Portland, Oreg.-----	120	118	238	239
Kansas City, Kans.-----	49	43	92	88	Sacramento, Calif.-----	81	71	152	156
Kansas City, Mo.-----	148	165	313	237	San Diego, Calif.-----	110	65	175	247
Lincoln, Nebr.-----	(27)	(61)	(88)	(74)	San Francisco, Calif.-----	252	201	453	498
Minneapolis, Minn.-----	133	118	251	287	San Jose, Calif.-----	(28)	(47)	(75)	(69)
Omaha, Nebr.-----	67	66	133	164	Seattle, Wash.-----	141	139	280	281
					Spokane, Wash.-----	53	54	107	97
					Tacoma, Wash.-----	52	43	95	109
*Estimate - based on average percentage of divisional total.					San Juan, P. R.-----	(34)	(40)	(74)	(---)
() Figures shown in parenthesis are from cities which have									

\*Estimate - based on average percentage of divisional total.

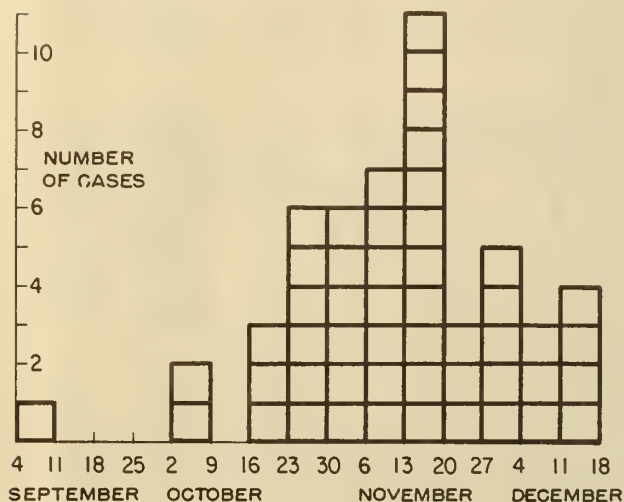
( ) Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

## QUARANTINE MEASURES

Immunization Information for International TravelNo Changes Reported

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

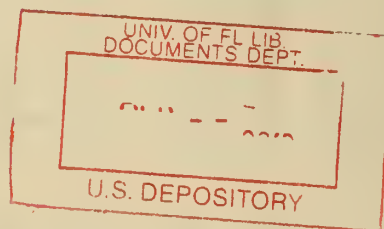


The epidemic was centered in two rural elementary schools and the elementary school in Georgetown, the County Seat. Nearly 45 percent of the cases have been children aged 10-14, with 28 percent in the 5-9 age group. The following table gives age and sex distribution of the cases.

Age	Male	Female	Total
0 - 4	1	4	5
5 - 9	11	4	15
10 - 14	13	10	23
15 - 19	2	3	5
20 - 29	2	3	5
Totals	29	24	53

Sixty-five percent of the cases were unimmunized against diphtheria. A virulent *gravis* strain of diphtheria has been consistently isolated from both cases and carriers. The disease has generally appeared as mild, tonsillar, diphtheria with localized membrane formation. The county and State health departments have instituted vigorous immunization measures in the public schools and community, coupled with isolation and extensive culturing of all cases and carriers.

Reported by J. Clifford Todd, Epidemiologist, Kentucky State Department of Health.



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